



Draft

2100 Pennsylvania Avenue, NW
Washington, DC 20037-3713
T 202.293.7060
F 202.293.7860
www.sughrue.com

FAX

Date July 22, 2005

To Examiner Michelle Connelly Cushwa

Of USPTO, Art Unit 2874

Fax 571-273-2345

From Laura Moskowitz

Subject Proposed Amendments to Claims 104 and 105

Our Ref Q69113 U.S. Application No. 10/088,758

Pages 3
(including cover sheet)

Please call attention to problems with this transmission by return fax or telephone. Thank you.

THE INFORMATION CONTAINED IN THIS COMMUNICATION IS CONFIDENTIAL, MAY BE ATTORNEY-CLIENT PRIVILEGED, AND IS INTENDED ONLY FOR THE USE OF THE ADDRESSEE. UNAUTHORIZED USE, DISCLOSURE OR COPYING IS STRICTLY PROHIBITED AND MAY BE UNLAWFUL. IF YOU HAVE RECEIVED THIS COMMUNICATION IN ERROR, PLEASE IMMEDIATELY NOTIFY US.

Examiner Cushwa,

Here are the revised claims as we discussed. Please let me know if there are any other issues with this case.

Thanks again for your additional careful consideration of this case.

Best Regards,

Laura Moskowitz

Draft

104. An optical waveguide for outputting light of a substantially single predetermined wavelength, the optical waveguide comprising:

a light conducting medium (2) defining a longitudinally extending optical path (15) for guiding the light, the optical path (15) extending longitudinally between respective spaced apart first and second ends (8,9), and

a means (20,21) for causing partial longitudinal reflections of the light along the optical path (15) at ~~a plurality of~~ at least three spaced apart partial reflecting locations (20) along the optical path (15) for deriving light of the predetermined wavelength, wherein the means (20,21) for causing the partial reflections locates the reflecting locations (20) along the optical path (15) at distances from the first end (8) along the optical path (15) which correspond to the following fractions of the actual length of the optical path, namely, $1/16$, $1/8$, $3/16$, $1/4$, $5/16$, $3/8$, $1/2$, $5/8$ and $3/4$, so that account is taken of alteration to the actual length of the optical path (15) resulting from the effect of the means (20,21) for causing the partial reflections on the actual length of the optical path (15), and so that the standing waves set up between the first end and each of the reflecting locations, and the standing wave or waves set up between any two of the reflecting locations, and the standing wave set up between the first and second ends, are all in harmonic relationship with each other.

105. An optical waveguide for outputting light of a substantially single predetermined wavelength, the optical waveguide comprising:

a light conducting medium (2) defining a longitudinally extending optical path (15) for

Draft

guiding the light, the optical path (15) extending longitudinally between respective spaced apart first and second ends (8,9), and

a means (20,21) for causing partial longitudinal reflections of the light along the optical path (15) at ~~a plurality of~~ at least three spaced apart partial reflecting locations (20) along the optical path (15) for deriving light of the predetermined wavelength, wherein the means (20,21) for causing the partial reflections locates the reflecting locations (20) along the optical path (15) at distances from the first end (8) along the optical path (15) which correspond to the following fractions of the actual length of the optical path, namely, $1/14$, $1/7$, $3/14$, $2/7$, $3/7$, $4/7$ and $5/7$, so that account is taken of alteration to the actual length of the optical path (15) resulting from the effect of the means (20,21) for causing the partial reflections on the actual length of the optical path (15), and so that the standing waves set up between the first end and each of the reflecting locations, and the standing wave or waves set up between any two of the reflecting locations, and the standing wave set up between the first and second ends, are all in harmonic relationship with each other.

343